



DoD Deployment Health Information Systems



***Major Dennis Kilian
J-4 Logistics Directorate
Health Service Support Division
The Joint Staff***



Terminal Learning Objectives



Understand the Military Healthcare System IM/IT position architecture

Understand what programs constitute the Theater Medical Information Program (TMIP)

Understand TMIP's relationship to the Service medical systems



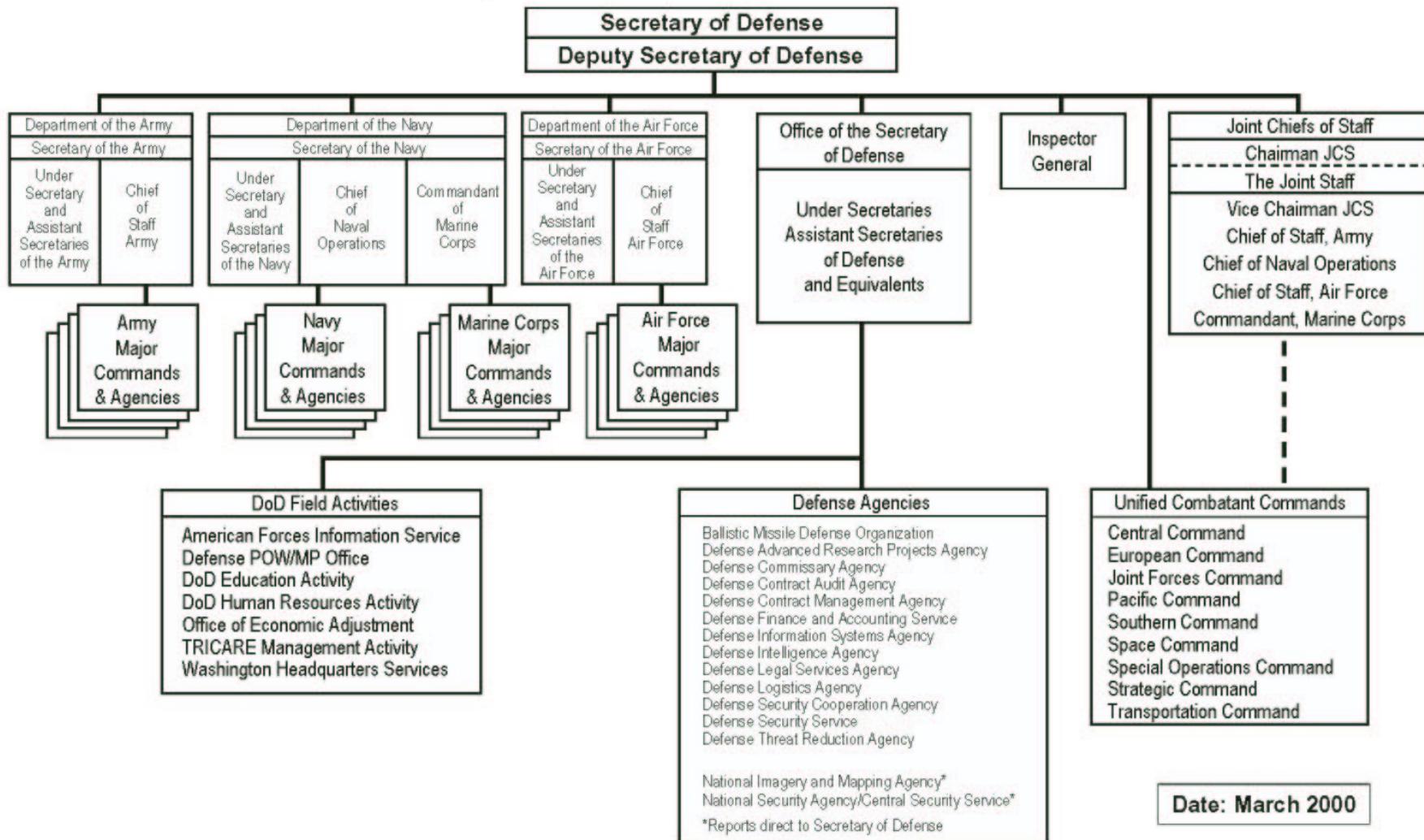
Agenda



- **DOD IM/IT Medical Infrastructure**
- **TMIP and its components**
- **Service Specific Medical Infrastructure**
- **ESOH IM/IT Infrastructure**
- **Other DoD Systems**
- **Questions**



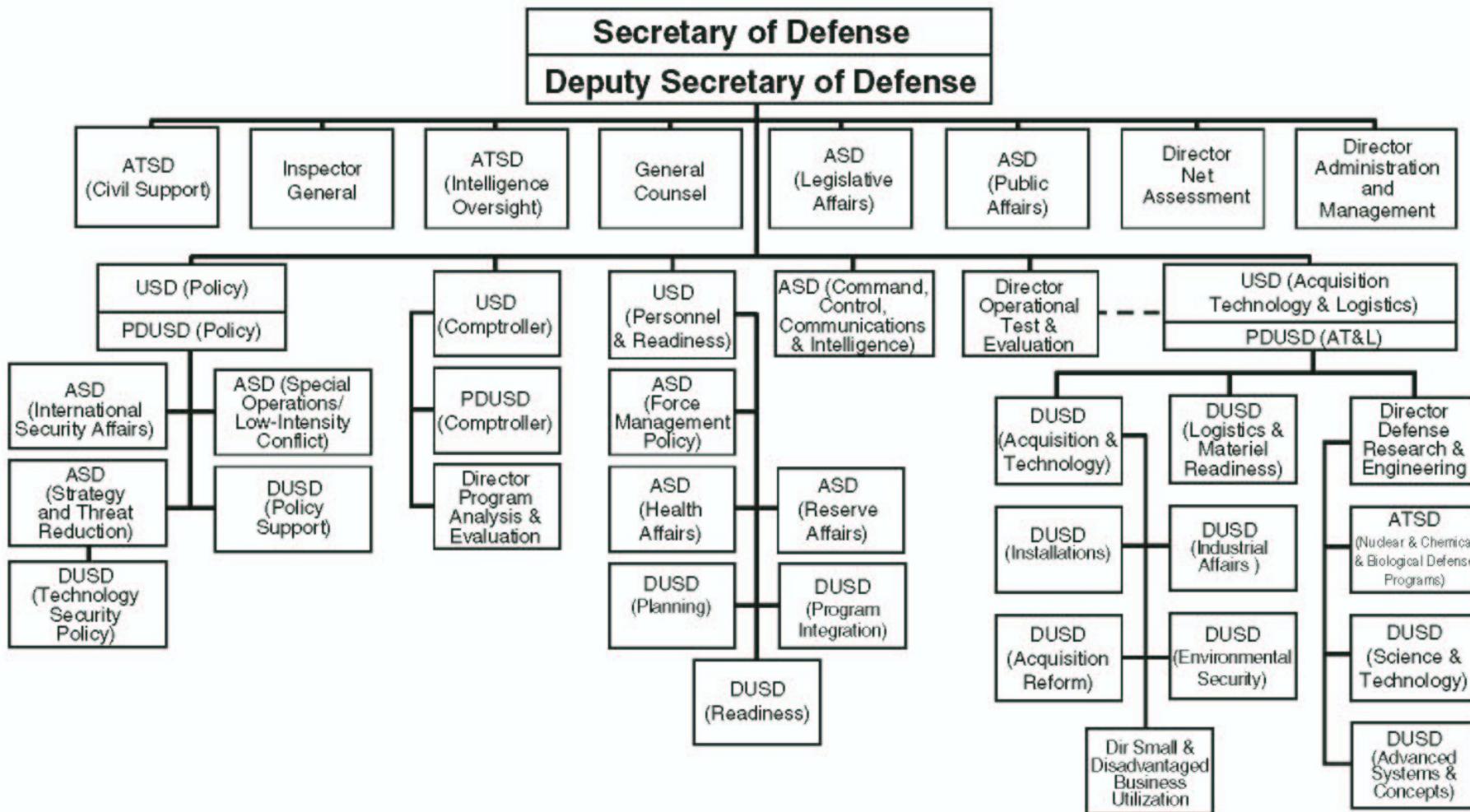
Department of Defense



Date: March 2000

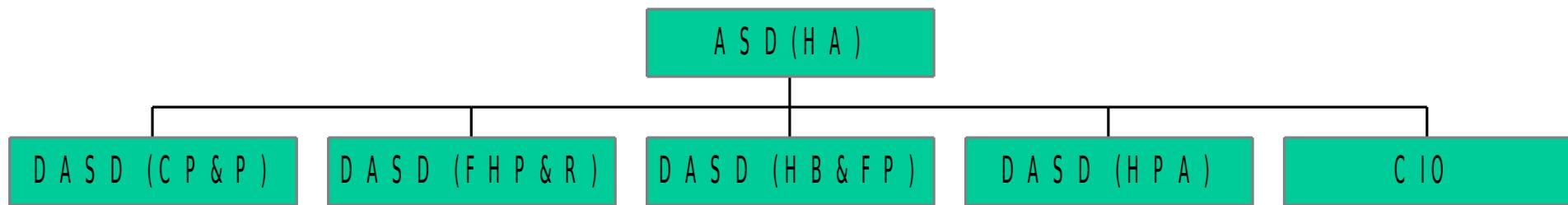


Office of the Secretary of Defense



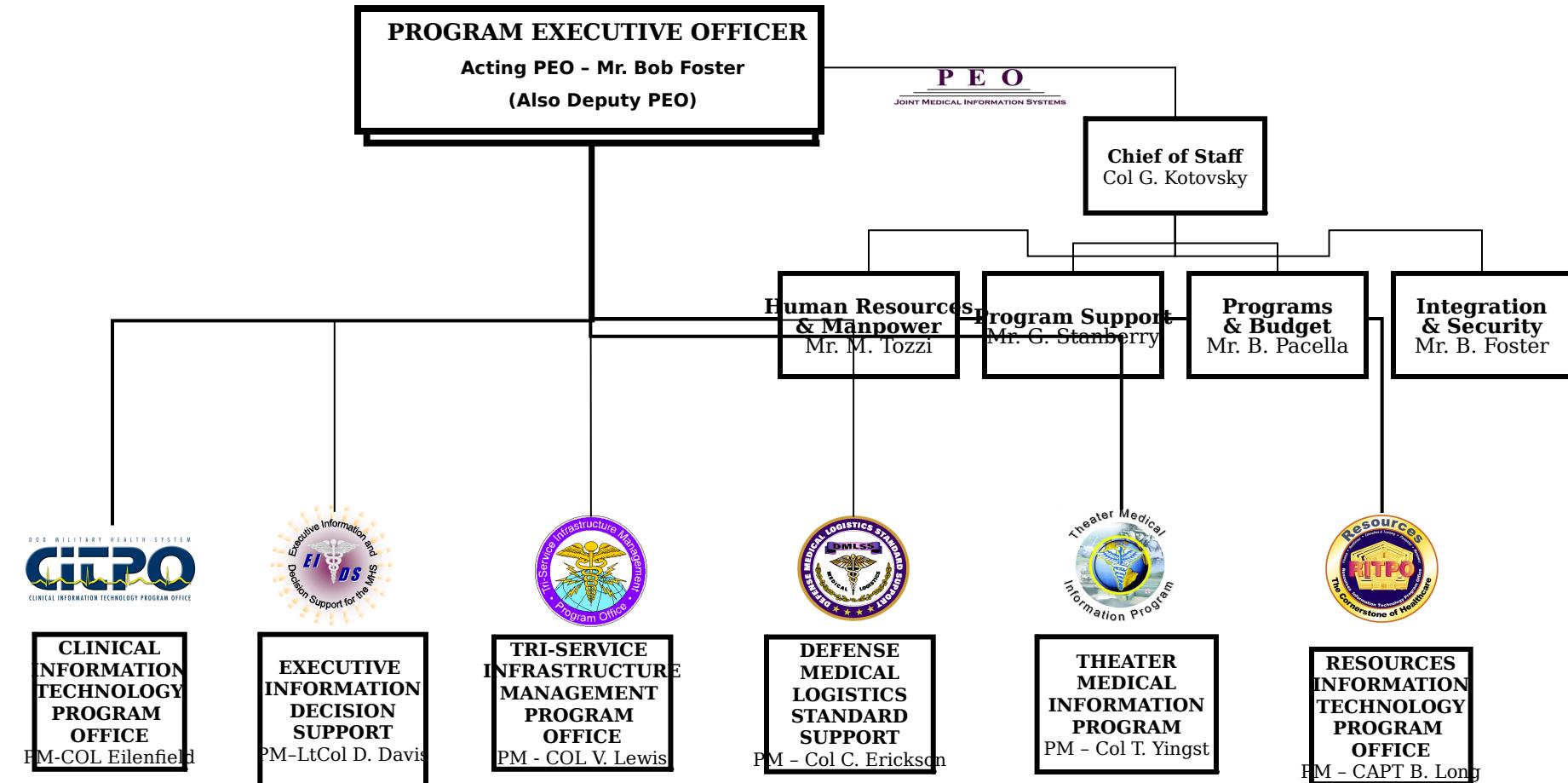


DOD IM/IT Medical Infrastructure



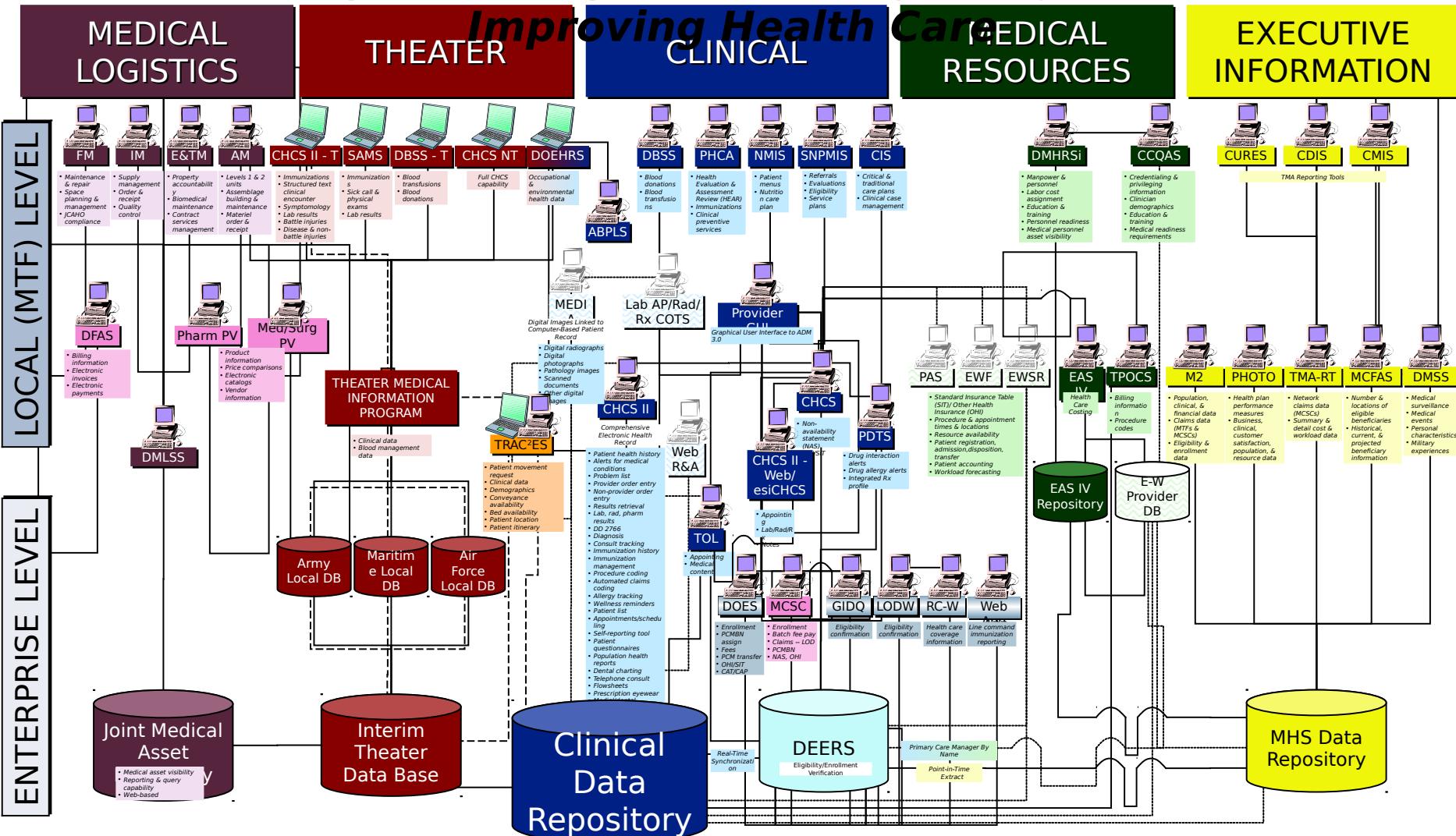


DOD IM/IT Medical Infrastructure



The Military Health System -- Integrating Information,

Improving Health Care



Information Management Division/TRICARE Management Activity -- AS OF 27 JANUARY 2003

— Data transferred by removable media	AM	Assemblage Management	ABPLS	Automated Blood Product Labeling System	Provider GUI	Provider Graphical User Interface	CCQAS	Centralized Credentials Quality Assurance System	CDIS	Care Detail Information System
— FY 03/04 interface	DFAS	Defense Finance & Accounting Service	CHCS II - T	Composite Health Care System II - Theater	SNPMS	Special Needs Program Management Information System	EAS IV	Expense Assignment System IV	CHAMPUS	CHAMPUS/TRICARE Management Activity
— FY 03/05 system/database	DMLSS	Defense Medical Logistics Standard Support	CHCS NT	Composite Health Care System NT	TOL	TRICARE Online	E-W Provider DB	Enterprise-Wide Provider Database	TRICARE	TRICARE Management Activity
— Medical Logistic system/database	E&TM	Equipment & Technology Management	CHCS II	Composite Health Care System II	Web R&A	Web Referrals & Authorizations	EWF	Enterprise Workload Forecasting	Utilization	Utilization
— Theater system/database	FM	Facilities Management	DBSS	Defense Blood Standard System	DOES	Defense Enrollment/Eligibility Reporting System	EWSR	Enterprise-Wide Scheduling & Registration	Reporting	Reporting
— Clinical system/database	IM	Inventory Management	T - Theater	Defense Blood Standard System - Theater	DOEHRs	Defense Enrollment/Eligibility Reporting System	LODW	Enterprise Workforce Management	System	System
— TRICARE Next Generation of Contracts system/database	TRAC/ES	TRAC/ES	DBSS - T	Shipboard Automated Medical System	MCSC	Managed Care Support Contractor	RC-W	Reserve Components - Web	System	System
— Medical Resources system/database	Med/Surg PV	Medical/Surgical Prime Vendor	TRANSCom	Remote/Command & Control	GIDQ	General Eligibility Inquiry	Web App	Web Application	System	System
— Executive Information system/database	Pharm PV	Pharmaceutical Prime Vendor	EVAC/EM	Evacuation System	DEERS	Defense Enrollment/Eligibility Reporting System	TPOCS	Third-Party Outpatient Collection System	Optimization	Optimization
			DOEHRs	Defense Occupational & Environmental Health Readiness System	Primary Care Manager By Name	Point-in-Time Extract			TRICARE Management Activity Reporting Tools	TRICARE Management Activity Reporting Tools



Agenda



- DOD IM/IT Medical Infrastructure
- TMIP and its components
- Service Specific Medical Infrastructure
- ESOH IM/IT Infrastructure
- Other DoD Systems
- Questions



TMIP / Joint IM/IT Systems

BMIST	Battlefield Medical Information System
CDR	Telemedicine - Joint
CHCS NT	Clinical Data Repository
CHCS II-T	Composite Health Care System New Technology
DBSS-T	Composite Health Care System II - Theater
DCAM	Defense Blood Standard System - Theater
DMLSS-AM	DMLSS Customer Assistance Module Defense Medical Logistics Standard Support - Assemblage Management
DMSS	Defense Medical Surveillance System
ESSENCE	Electronic Surveillance System for the Early Notification of Community-based Epidemics
FHIE/BHIE	Federal Health Information Exchange / Bi-directional
JMAR	Joint Medical Asset Repository
JMeWS	Joint Medical Work Station
JPTA	Joint Patient Tracking Application
MAT	Medical Analysis Tool
MDSS	Medical Data Surveillance System
PDHRA	Post-Deployment Health Re-Assessment
TRAC2ES	TRANSCOM Regulating and Command & Control Evacuation System
VSIMS	Veterinary Services Information Management System



TMIP Block 1 Functionality

- Medical Command & Control
- Medical logistics
- Blood management
- Immunization tracking
- Medical record generation (SF600)
- Structured text clinical encounter
- Symptomology
- Battle injuries, DNBI
- Sick call & physical
- Post deployment surveys
- Consult generation (SF513)
- ICD-9 coding scheme
- Occupational health/radiation exposure
- Lab results
- Automated medical reference/library
- Status reporting



TMIP Block 1

Support of Deployed Forces

- **Deployed at the following locations:**

- 8th Medical Brigade
- Navy Fleet Hospital
- 601st Area Support Medical Company
- 602st Area Support Medical Company
- Qatar Strategic Clinic
- Kuwait Strategic Clinic
- 2nd Medical Brigade
- 1 Stryker Brigade
- 2 Combat Support Hospitals
- 118th Area Support Medical Battalion
- 6 Forward Surgical Teams



TMIP Block 2 Capabilities

- Release 1: Available for Service Testing May 2005
 - **Improved Medical Surveillance**
 - **Enhanced Medical Command and Control**
 - **Enhanced Healthcare Encounter Documentation**
 - Initial Inpatient Care Documentation
 - Ancillary Capabilities
 - Drug to Drug Interaction and Allergy Alerts
- Release 2: Available for Service Testing May 2006
 - **Medical Logistics Functionality for Level III facilities**
 - **Patient Movement Item Tracking**
 - **Initial Occupational and Environmental Health Capability**
 - **Enhanced Healthcare Encounter Documentation**
 - Optometric Documentation and Spectacle Requisitioning
 - Pharmacy Order Entry and Results Retrieval
 - **SAMS Patient Encounter Module Conversion**
 - **CEMS Patient Encounter Module Conversion**



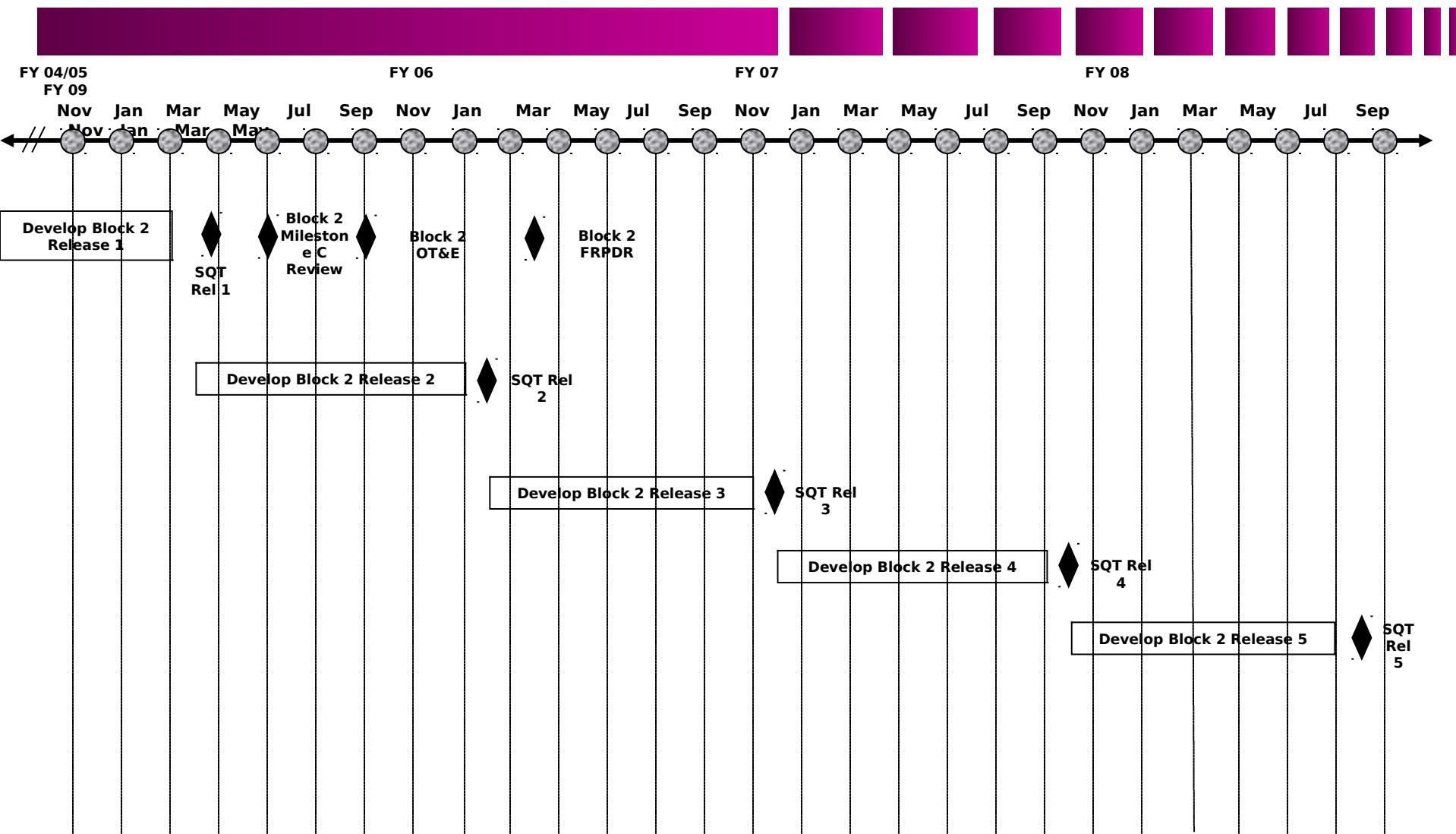
TMIP Block 2 Capabilities

(Cont'd.)

- Release 3: Available for Service Testing May 2007
 - **Initial Inter/Intratheater Medical Regulating**
 - **In-transit Patient Visibility**
 - **Enhanced Healthcare Encounter Documentation**
 - **Complete Inpatient Care Documentation**
 - **Initial Radiology Order Entry and Results Retrieval**
 - **Initial Laboratory Order Entry and Results Retrieval**
 - **Public Health Monitoring Capability**
 - **Dental Encounter Documentation**
- Releases 4 and 5: Available for Service Testing May 2008 and May 2009
 - **Complete Remaining CRD Requirements**
 - **Occupational and Environmental Health Capability**
 - **Laboratory Capability**
 - **Radiology Capability**
 - **Inter/Intratheater Medical Regulating**
 - **Complete Theater Data Standardization Initiative**
 - **Finalize JMeWS Medical Situational Awareness**



TMIP Timeline Overview





Agenda

- DOD IM/IT Medical Infrastructure
- TMIP and its components
- Service Specific Medical Infrastructure
- ESOH IM/IT Infrastructure
- Defense Manpower Data Center
- Questions



Army IM/IT Systems

CDA	Corporate Dental Application
DTRS	Deployable Tele-Radiology System
ePPDHA	electronic Pre/Post Deployment Health Assessment
MEDPROS	Medical Protection System
PAD Tools	Patient Administration Tools
PARRTS	Patient Accounting and Reporting Real-time Tracking
TAMIMIS	Theater Army Medical Management Information System
TCAM	TAMMIS Customer Assistance Module
TEWLS	TAMMIS Enterprise Wide Logistics System



Navy IM/IT Systems



DENCAS
ePPDHA-NEHC

HIV-N
ITS/NMO

MRRS
SAMS

Dental Common Access System
electronic Pre/Post Deployment Health A
- Navy Environmental Health Center
HIV - Navy

Immunization Tracking System / Navy M
Online

Medical Readiness Reporting System
Shipboard Automated Medical System



Air Force IM/IT Systems

AFCITA

Air Force Complete Immunization Tracking Application

AFIOH-HIV Lab

Air Force Institute for Operational Health

GEMS

Global Expeditionary Medical System

MOMEDLOG

Mobile Medical Logistics

MRDSS Ultra

Medical Readiness Decision Support

PIMR

Preventive Health Assessment and Individual Medical Readiness

RCPHA

Reserve Component Periodic Health Assessment



Agenda



- **DOD IM/IT Medical Infrastructure**
- **TMIP and its components**
- **Service Specific Medical Infrastructure**
- **ESOH IM/IT Infrastructure**
- **Defense Manpower Data Center**
- **Questions**



ESOH IM/IT Infrastructure



DOEHRs-IH T
Testing , Aug 05
Milestone C, Jun 06
Full Rate Deployment, Dec 06



Agenda



- **DOD IM/IT Medical Infrastructure**
- **TMIP and its components**
- **Service Specific Medical Infrastructure**
- **ESOH IM/IT Infrastructure**
- **Other DoD Systems**
- **Questions**



Other DoD Systems



Defense Manpower Data Center (DMDC)

**Defense Enrollment Eligibility
Reporting System (DEERS)**



Questions?



OEHS Reporting Drivers



DoDD 6490.2, Comprehensive Health Surveillance, 2

**DoDI 6490.3, Implementation and Application of Joint
Surveillance for Deployments, 7 AUG 97**

**USD (P&R) Memo, Enhanced Post Deployment Health
Assessment, 22 Apr 03**

**USD (P&R) Memo, Improved Occupational and Enviro
Health Surveillance Reporting and Archiving, 2**

**JCS Memo, MCM 0006-02, Updated Procedures for D
Health Surveillance and Readiness 1 Feb 02**

**JCS Memo, Improved Occupational and Environmental
Health Surveillance Reporting and Archiving, 3**